

Defense Systems Management Review/Concepts

Index 116

Winter 1976

Page

Volume 1, Number 1

The Congressional Budget and Impoundment Control Act of 1974: Implications to DOD, <i>James A. Francis</i>	1
Technological Progress and Life Cycle Support, <i>Carroll Eugene Garrison</i>	25
Training with Industry, <i>Lt. Col. Robert H. Hammerman, Jr., USAF</i>	39
What Happened to PERT? <i>Maj. Edward J. Dunne, Jr., USAF,</i> <i>Capt. Robert F. Ewart, USAF, Capt. Donald M. Nanney, USAF</i>	45
Industry Management of Defense vs. Commercial Programs, <i>Wayne L. Hinthorn</i>	51

Spring 1977

Volume 1, Number 2

Electronic Technology Progress and Life Cycle Support, <i>R. M. Lockherd</i>	1
Software Visibility for the Program Manager, <i>Lt. Col. A. J. Driscoll, USAF</i>	12
Contemporary Management—Professional Aspects, <i>David D. Acker</i>	28
Role of Congressional Staff in Weapon Systems Development, <i>Maj. J. W. Allsbrook, USAF</i>	34
What's Happened to Basics? <i>W. W. Thybony</i>	43

Summer 1977

Volume 1, Number 3

The Process of Standardization—An Overview, <i>William E. Stoney</i>	1
A Concept of a Two-Way Street, <i>Dr. Walter B. LaBerge</i>	3
U.S. Roland—A Giant Step Toward Weapon Commonality, <i>Brig. Gen. Frank P. Ragano, USA</i>	9
Roland—A Technology Transfer Program, <i>John H. Richardson</i>	13
The F-16—NATO's Military and Economic Cornerstone, <i>Brig. Gen. James A. Abrahamson, USAF</i>	18
Commonality—Or, What's in a Word? <i>Col. D. W. Waddell, USAF</i>	24
Interdependence—the Impact on U.S. Security, <i>Maj. John D. Elliott, USA</i>	32
NATO Standardization—An Alternative Approach, <i>Lt. Col. A. Martin Lidy, USA</i>	43
Standardization Policy of the United States, <i>Section 814 (a) of the</i> <i>Department of Defense, Appropriation Authorization Act, 1976,</i> <i>Relating to Standardization</i>	61

Defense Systems Management Review/Concepts

Index 116

Winter 1976

Page

Volume 1, Number 1

The Congressional Budget and Impoundment Control Act of 1974: Implications to DOD, <i>James A. Francis</i>	1
Technological Progress and Life Cycle Support, <i>Carroll Eugene Garrison</i>	25
Training with Industry, <i>Lt. Col. Robert H. Hammerman, Jr., USAF</i>	39
What Happened to PERT? <i>Maj. Edward J. Dunne, Jr., USAF,</i> <i>Capt. Robert F. Ewart, USAF, Capt. Donald M. Nanney, USAF</i>	45
Industry Management of Defense vs. Commercial Programs, <i>Wayne L. Hinthorn</i>	51

Spring 1977

Volume 1, Number 2

Electronic Technology Progress and Life Cycle Support, <i>R. M. Lockherd</i>	1
Software Visibility for the Program Manager, <i>Lt. Col. A. J. Driscoll, USAF</i>	12
Contemporary Management—Professional Aspects, <i>David D. Acker</i>	28
Role of Congressional Staff in Weapon Systems Development, <i>Maj. J. W. Allsbrook, USAF</i>	34
What's Happened to Basics? <i>W. W. Thybony</i>	43

Summer 1977

Volume 1, Number 3

The Process of Standardization—An Overview, <i>William E. Stoney</i>	1
A Concept of a Two-Way Street, <i>Dr. Walter B. LaBerge</i>	3
U.S. Roland—A Giant Step Toward Weapon Commonality, <i>Brig. Gen. Frank P. Ragano, USA</i>	9
Roland—A Technology Transfer Program, <i>John H. Richardson</i>	13
The F-16—NATO's Military and Economic Cornerstone, <i>Brig. Gen. James A. Abrahamson, USAF</i>	18
Commonality—Or, What's in a Word? <i>Col. D. W. Waddell, USAF</i>	24
Interdependence—the Impact on U.S. Security, <i>Maj. John D. Elliott, USA</i>	32
NATO Standardization—An Alternative Approach, <i>Lt. Col. A. Martin Lidy, USA</i>	43
Standardization Policy of the United States, <i>Section 814 (a) of the</i> <i>Department of Defense, Appropriation Authorization Act, 1976,</i> <i>Relating to Standardization</i>	61

Autumn 1977

Volume 1, Number 4

Can Weapon System Procurement be Managed?	
<i>Dr. Albert J. Kelley</i>	1
A New Dimension in the Acquisition Process, <i>Jacques S. Gansler</i>	6
Tailoring Program Requirements, <i>William F. Brown</i>	13
F ² D ² , a System Management Tool, <i>Eugene Lurcott</i>	19
Observations on Defense Acquisition, <i>Dr. Joseph F. Shea</i>	29
Zero-Base Budgeting and Sunset Legislation,	
<i>Lt. Col. Paul B. Demitriades, USAF</i>	37
The Army Budget and Combat Capability, <i>Leonard S. Freeman</i>	45
Establishing the FAE II, <i>James A. Bowen,</i>	
<i>Capt. Ronald S. Fry, USAF</i>	53
Computer System Simulation: A Design Evaluation Tool,	
<i>Maj. Robert S. Feingold, USAF</i>	62

Winter 1977

Volume 1, Number 5

Test and Evaluation in the Department of Defense,	
<i>Maj. Gen. Walter E. Lotz, USA</i>	1
Streamlining Army Testing, <i>Maj. Gen. Patrick W. Powers, USA</i>	7
Improving Air Force Independent Operational Testing,	
<i>Maj. Gen. Howard W. Leaf, USAF</i>	19
Operational Test and Evaluation of Ships: Policy and Practice,	
<i>Cmdr. Ian E. M. Donovan, USN, Lt. Cmdr. Thomas A. Fitzgibbons, USN</i>	28
Defense Procurement: The British Connection,	
<i>Capt. T. H. Sherman, USN</i>	45
Optimizing Space Vehicle Programs, <i>George G. Gleghorn</i>	51
Management of Major DOD Test Facilities, <i>John W. McCord</i>	59
Test and Evaluation of TRI-TAC Equipment,	
<i>Lt. Col. David L. Washington, USAF</i>	73
How Much Testing Is Enough? <i>Howard W. Kreiner</i>	84
Test and Evaluation Policy, <i>Charles W. Karns</i>	87
Aircraft Operational Test and Evaluation,	
<i>Lt. Col. Michael J. Butchko, USAF</i>	94
Use of Training Exercises for Test and Evaluation,	
<i>Lt. Col. Martell D. Fritz, USA</i>	110

Challenges in Aircraft Engine Test and Evaluation Programs, <i>David T. Love</i>	119
Reliability and Maintainability in the Acquisition Process, DOD Dir. 5000.X, <i>Col. Ben H. Swett, USAF</i>	126
B-1 Structural Test Program, <i>John W. Rustenburg, Mark A. Owen, William L. Geese</i>	149
Product Liability, <i>Lt. Col. Robert B. Machen, USA</i>	162

Summer 1978

Volume 1, Number 6

Federal Government Software Conversion, <i>Dr. Paul Oliver</i>	1
Reducing Software Management Risks, <i>Dr. Ruth Davis</i>	16
Software Configuration Management Testability and Traceability, <i>Harvey Tzudiker</i>	24
Software Acquisition Within Air Force Systems Command—A Management Approach, <i>Lt. Col. John Marciniak, USAF</i>	32
Computer Systems in the Navy, <i>Richard E. Fryer</i>	40
Navy Airborne Weapon System Software Acquisition, <i>Dennis W. Farrell</i>	47
The Eglin Real-Time Computer System, <i>George C. Suydan</i>	54
Software Reliability by Design, <i>W. J. Willoughby</i>	59

Autumn 1978

Volume 1, Numbers 7-8

Past Performance: An Essential Element in Source Selection, <i>Col. Michael A. Nassr, USAF</i>	7
Toward More Effective Implementation of Specification Tailoring, <i>Dr. Warren E. Mathews</i>	15
Surveillance of Defense Programs: The Industry Role, <i>Irving J. Sandler</i>	23
Monitoring the Government/Industry "Partnership," <i>Lt. Col. W. R. Montgomery, USAF</i>	28
The Two-Tier Matrix Organization in Project Management, <i>Dr. William C. Wall, Jr.</i>	37
Management Update: The Army Science and Technology Program, <i>Dr. Marvin E. Lasser</i>	47
Software Quality and Productivity, <i>B. M. Knight</i>	54
New Directions for NATO, <i>Dr. William J. Perry</i>	66

Winter 1979**Volume 2, Number 1**

Technology Transfer: A Key to Productivity, <i>James A. Higgins</i>	7
Trends in Federal Patent Policy, <i>Franz O. Ohlson, Jr.</i>	10
Patents and Technology Transfer, <i>William O. Quesenberry</i>	16
Technology Transfer and Patent Management at the National Technical Information Service, <i>Dr. David T. Mowry</i>	22
Technology Transfer in a Competitive Environment, <i>Charles S. Haughey</i>	27
Limitations on the Right to Transfer Technology, <i>Lt. Col. H. M. Hougen, USA</i>	35
Controls on West-to-East Technology Transfer, <i>William A. Root</i>	44
The Federal Laboratory Consortium for Technology Transfer, <i>Robert C. Crawford</i>	53

Spring 1979**Volume 2, Number 2**

The Looking-Glass World of International Programs, <i>Lt. Col. David A. Appling, USA</i>	7
Managing Less-Than-Major Joint Programs, <i>Capt. Phillip E. Oppedahl, USN</i> <i>Col. Henry R. Passi, USAF</i>	19
Representation and Responsibility in a Tri-Service Program, <i>Dr. William C. Wall, Jr.</i>	30
Coproduction: The U.S. F-5E in Taiwan and Switzerland, <i>Capt. R. Kenneth Bowers, USAF</i>	34
Army/Navy Guided Projectiles: A Joint Program that Works, <i>Capt. J. D. Miceli, USN</i>	46
Augustine's Laws and Major System Development Programs, <i>Norman R. Augustine</i>	50
Mission-Area Resource Allocation for Air Force R&D, <i>Col. Thomas C. Brandt, USAF, Lt. Col. Howard E. Bethel, USAF,</i> <i>Capt. Wallace B. Frank, Jr., USAF</i>	77
Subsystems, Components, and A-109 Policy, <i>Lawrence L. Clampitt,</i> <i>Noel F. Castiglia</i>	93

Summer 1979**Volume 2, Number 3**

Management Disciplines: Harbingers of Successful Programs,	
--	--

<i>David D. Acker</i>	7
Why Worry About Configuration Management? <i>William A. Dean</i>	21
Configuration Management in the 1990s and Beyond, <i>Alan E. Lager</i>	30
Ensuring an Adequate Technical Data Baseline, <i>John R. Hart</i>	38
Aviation Configuration Accounting System, <i>Leon W. Grzech</i>	47
Observations on Configuration Management, <i>Lt. Col. William G. Fohrman, USAF</i>	55
In-Progress Checklist Reviews for CM Systems, <i>June Wohlgethan</i>	59
Control of Documentation: Avenues to Failure, <i>Carl P. Hershfield</i>	68
Configuration Management and Software Development Techniques, <i>Zygmunt Jelinski</i>	74
Meeting the Evolving Micro Requirement, <i>Jerry L. Raveling</i>	88
The Impact of Today's Electronics Technology on Systems Acquisition, <i>Lt. Gen. Robert T. Marsh, USAF</i>	97
Background of Study on Specifications and Standards, <i>Dr. Joseph F. Shea</i>	103
Making Tailoring Work, <i>Carl Hershfield, John Tormey</i>	111

Autumn 1979

Volume 2, Number 4

Acquisition Costing in the Federal Government, <i>Richard T. Cheslow, James R. Dever</i>	7
Design-to-Affordability: One Industry View, <i>Lawrence E. Stewart</i>	17
OMB Circular A-109 Impact on New Development, <i>Dean E. Roberts</i>	27
Alternatives for Shortening the Acquisition Process, <i>Maj. David T. Spencer, USAF</i>	36
Shortening the Acquisition Cycle, <i>Augie G. Martinez</i>	60
Concurrency, <i>Robert G. Gibson</i>	67
Socio-Economic Objectives—Impact on Civil and Defense Agencies, <i>Maj. Richard J. Hampton, USAF, Dr. Richard J. Lorette</i>	78
Socio-Economic Program Impact on Acquisition Management, <i>Patrick D. Sullivan</i>	89
Increasing Emphasis on Readiness in Acquisition, <i>Richard E. Biedenbender</i> ..	99
Charts, <i>Jerry L. Raveling</i>	107

Winter 1980 Volume 3, Number 1

Affordability and the Acquisition of Major Defense Systems, <i>Dr. F. C. E. Oder</i>	7
Concurrency Today in Acquisition Management, <i>Thomas E. Harvey</i>	14
Will Four-Step Solve the Problem? <i>David N. Burt</i>	19
The Role of the Contract in Systems Acquisition, <i>Harvey J. Gordon</i>	30
Independent R&D: Key to Technological Growth, <i>David D. Acker</i>	43
Why SIRCS Failed: The Public Record, <i>Frank H. Featherston</i>	58
Subdivision of Labor Revisited, <i>Dr. Franz A. P. Frisch</i>	74
Acquisition Review: A Help or a Hindrance? <i>Lt. Cmdr. Phillip I. Harvey, USN</i>	103

Spring 1980 Volume 3, Number 2

The General Manager of Matrix Organization, <i>Dr. William C. Wall, Jr.</i>	7
Staff Men Are Finks—And Other Generalizations, <i>Bert Karin</i>	16
Goal Programming as an Aid to Resource Management, <i>Dr. Daniel A. Nussbaum</i>	28
A Proposal on Acquisition Management Information, <i>Fred E. Rosell</i>	34
The Inefficiency of Sealed-Bid Competition, <i>James M. Corey</i>	42
Controlled Competition for Optimal Acquisition, <i>Kenneth S. Solinsky</i>	47
Buying Commercial: What Works and What Doesn't, <i>Dr. Richard A. Stimson, Marilyn S. Barnett</i>	56
The Impact of Energy Costs on Acquisition Contracting, <i>Vaughn R. Pleasant</i>	69
A Look at the Independence of Federal Contract Research Centers, <i>Lt. Col. Timothy J. McGrath, USAF</i>	77
R&D Project Marketing in the Defense Laboratories, <i>Dr. Robert Munk</i>	84
Improving Weapons in the Fleet, <i>Dr. Robert J. Massey, Jack F. Witten,</i> <i>Dr. Richard I. Henderson</i>	97
MIL-STD-449A and Its Application to System Engineering, <i>Elmer L. Peterson</i>	105

Summer 1980**Volume 3, Number 3**

The Maturing of the DOD Acquisition Process, <i>David D. Acker</i>	7
Affordability—Let's Not Make It a Dirty Word, Rear Adm. L. S. Kollmorgen, USN, Lt. Cdr. S. E. Briggs, USN	78
What We Always Knew About Acquisition but Were Afraid to Do, Dr. William C. Wall, Jr., Leonard L. Rosen	84
Government Data Policy: Is It a Threat to U.S. Technology? Charles S. Haughey	96
International Transfer of Intellectual Property for Defense Materiel, John S. W. Fargher, Jr.	104
Rambling Through Economics, Dr. Franz A. P. Frisch	114
Problems in Numerical Input for the Source Selection Process, Robert F. Williams	122
The Origins of the Military-Industrial Complex, Maureen P. Sullivan	129
Reading Computer Programs as a Managerial Activity, Dr. Harlan D. Mills	140

Autumn 1980**Volume 3, Number 4**

MICOM Project Management Manpower Model, Dr. William C. Wall, David L. Stanbrough	7
Fielding Army Systems: Experiences and Lessons Learned, Col. James B. Lincoln, USA	20
Joint Service Test and Evaluation, Brig. Gen. Jerry Max Bunyard, USA	59
A Management Approach to the '80s, Maj. Wallace B. Frank, Jr., USAF	84
A Functional View of Organizations, Paul O. Ballou	102
Correspondence	113
Index of Articles	114

Winter 1981**Volume 4, Number 1**

Technology: Our Only Escape from the 'Good Old Days,' Lt. Gen. Robert T. Marsh, USAF	7
Improving the Acquisition System, Dr. Robert J. Massey, Gordon A. Smith, Jack F. Witten	13
Raw Material Supplies and Related Subjects, Maureen P. Sullivan	28

Program Manager Control Over Expenditures, <i>Lt. Col. Lewis W. Long, USAF</i>	42
Budgeting for Innovation Early in the Acquisition Process, <i>Lt. Col. D. Brent Pope, USA</i>	45
Subsystem Prototyping for Better Weapon Systems, <i>Lt. Cmdr. Stuart C. Karon, USN</i>	49
Budgeting for Test and Evaluation, <i>Henry H. Mendenhall</i>	52
Program Office Role in Budgeting for O&S Costs, <i>Bruce A. Block</i>	56
Managing the IR&D Program in Defense Industry, <i>Gunther E. Reins</i>	61
Determining Contractor IR&D Budgets, <i>Thomas F. Szelag</i>	67
The Work Breakdown Structure as a Budgeting Tool, <i>Lt. Col. Walter L. Busbee, USA</i>	71
Reducing the Bow Wave in Defense System Budgeting, <i>Lt. Col. Michael J. Goldstein, USAF</i>	75

Spring 1981

Volume 4, Number 2

Improving Cost Estimating in the Department of Defense, <i>Milton A. Margolis</i>	7
Estimating in the '80s—Special Section	19
Alternative Techniques for Use in Parametric Cost Analysis, <i>W. Eugene Waller, Thomas J. Dwyer</i>	48
MX Cost Analysis, <i>Maj. Donald E. Crawford, USAF</i>	60
Three Views of the Impact of Production Rate Changes:	
I. Redistributing Fixed Overhead Costs, <i>Cmdr. Steve J. Balut, USN</i>	63
II. Effect of Production Rate on Weapon System Cost, <i>Dr. Charles H. Smith</i>	77
III. A Model for Examining the Cost Implications of Production Rate, <i>John C. Bemis</i>	84
The VAMOS Connection: Improving Operating and Support Costing, <i>Alvin M. Frager</i>	95
Is Cost Growth Being Reinforced? <i>Noreen S. Bryan, Dr. Rolf Clark</i>	105
Meeting the Challenge of Multinational Programs, <i>Maj. Michael J. Rendine, USAF</i>	119
Overview of Cost Analysis in the Navy, <i>John S. Nieroski,</i> <i>Carl R. Wilbourn</i>	127
The Multicountry, Multiperiod Payments Problem, <i>Dr. David Blond,</i> <i>Robin L. Meigel</i>	139

Selecting Estimating Techniques Using Historical Simulation, Charles A. Graver	145
---	-----

Summer 1981 Volume 4, Number 3

A Contingency Approach to Acquisition Planning, Robert F. Williams, Duane D. Knittle	7
A Working C/SCS for Naval Shipbuilding, G. Graham Whipple	21
The Role of Commercial Products in Systems Acquisition, Col. Raymond W. Reig, USAFR	36
Translating ECPs into Budgeting Form, Maj. Lawrence L. Vandiford, USAF	47
Simulation in Training: The Current Imperative, Lt. Col. Richard P. Diehl, USA	53
Economic Escalation Application in Program Management, Seymour Uberman	66
Improving Cost and Schedule Controls through Adaptive Forecasting, Dr. George K. Chacko	73
Corporate Strategy and Tactics: Military Analogies, Dr. Douglas M. McCabe	97
Some Observations on the Acquisition Status Briefing, Maj. Bedford T. Bentley, Jr., USAF	107
Correspondence	118

Autumn 1981 Volume 4, Number 4

Financing Defense System Programs, Dr. Franz A. P. Frisch, David D. Acker	7
Evaluating the Impact of Quantity, Rate, and Competition, Larry W. Cox, Dr. Jacques S. Gansler	29
Department of Defense Acquisition Improvement Program, Col. G. Dana Brabson, USAF	54
Human Factors in Weapon Design: The Performance Gap, Dr. Jonathan Kaplan, John L. Miles, Jr.	76
Systems Approach to Multinational Acquisition: NATO AWACS, Dr. George K. Chacko, Lt. Col. Bruce N. Stratvert, USAF (Ret.)	90
Scheduling for Program Management: How and Why, Forrest L. Godden, Jr.	107

